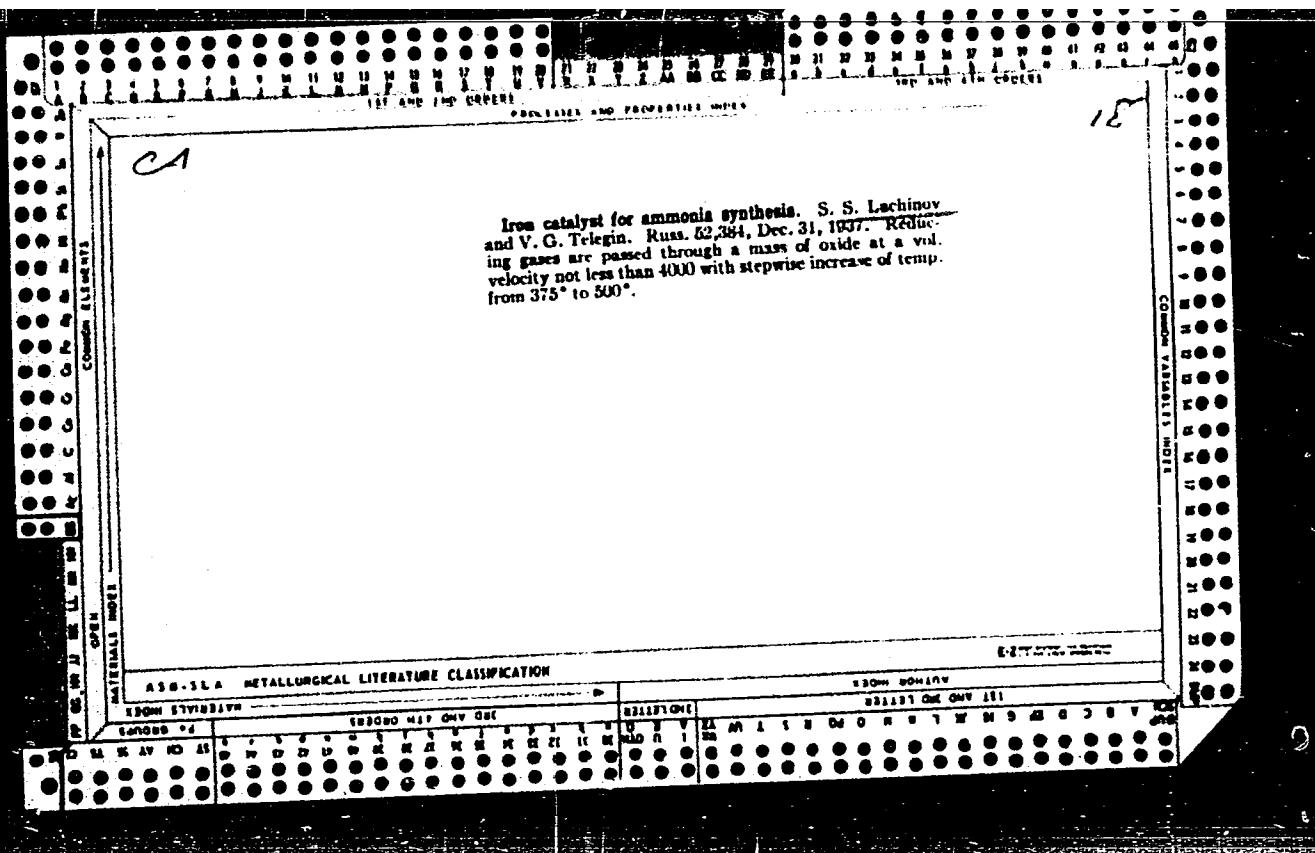
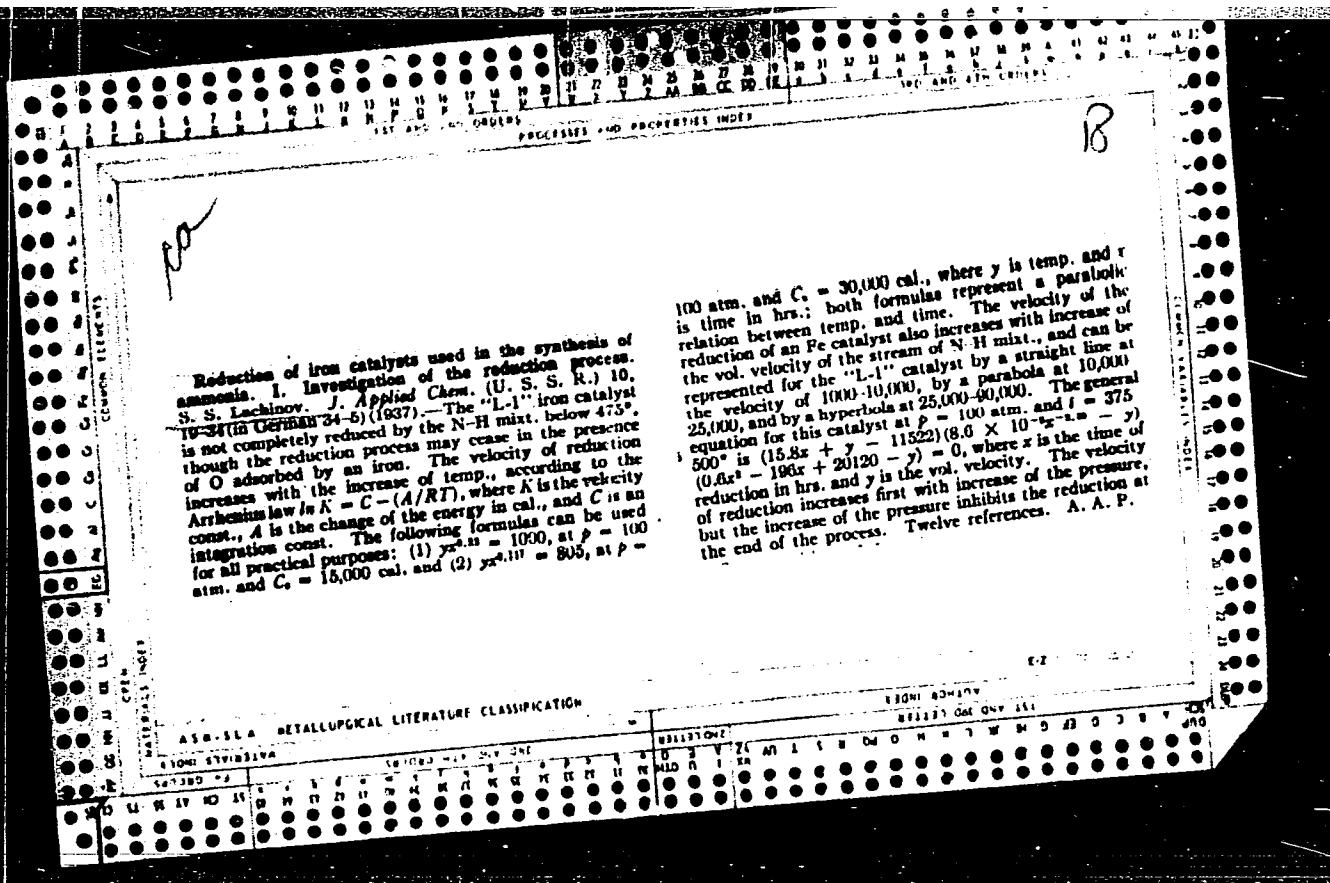
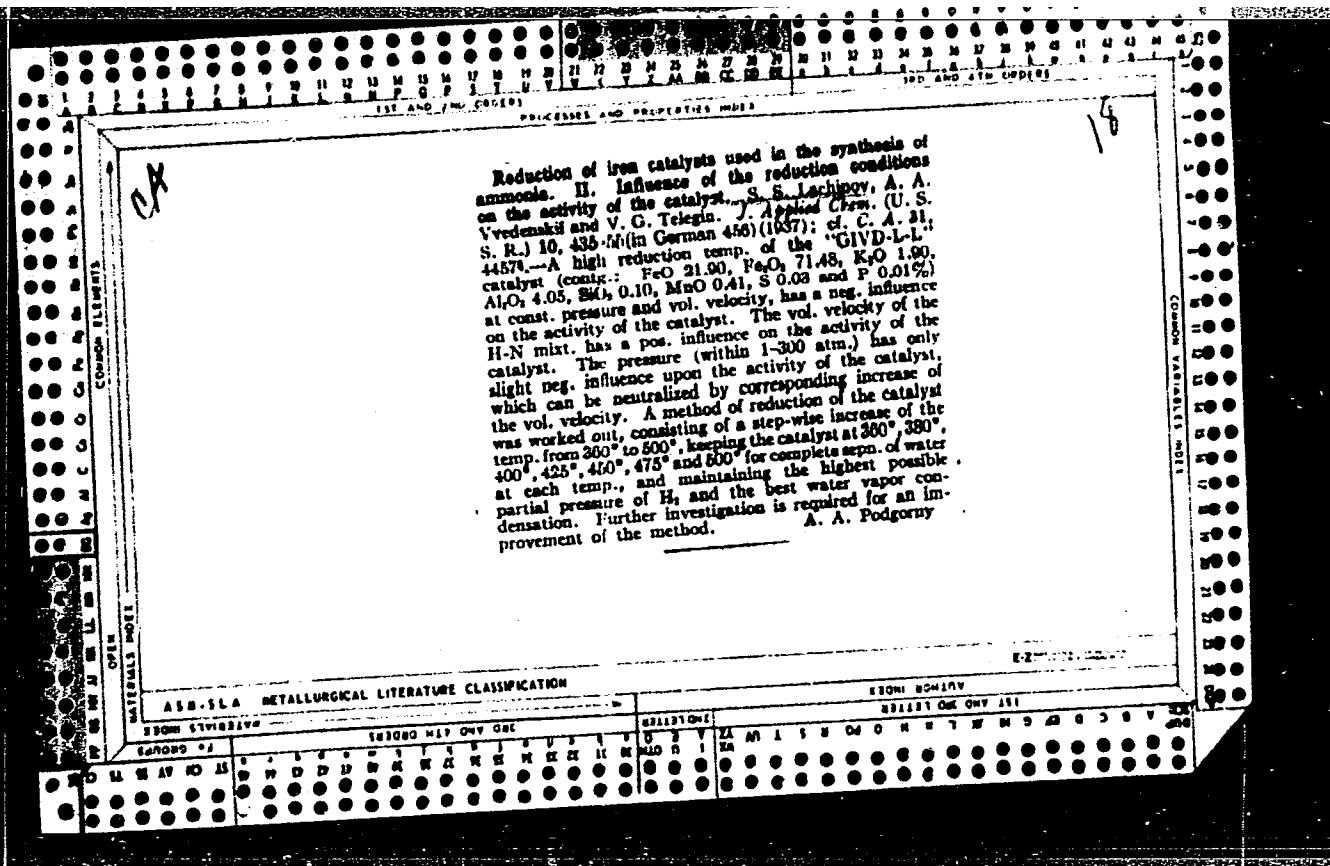
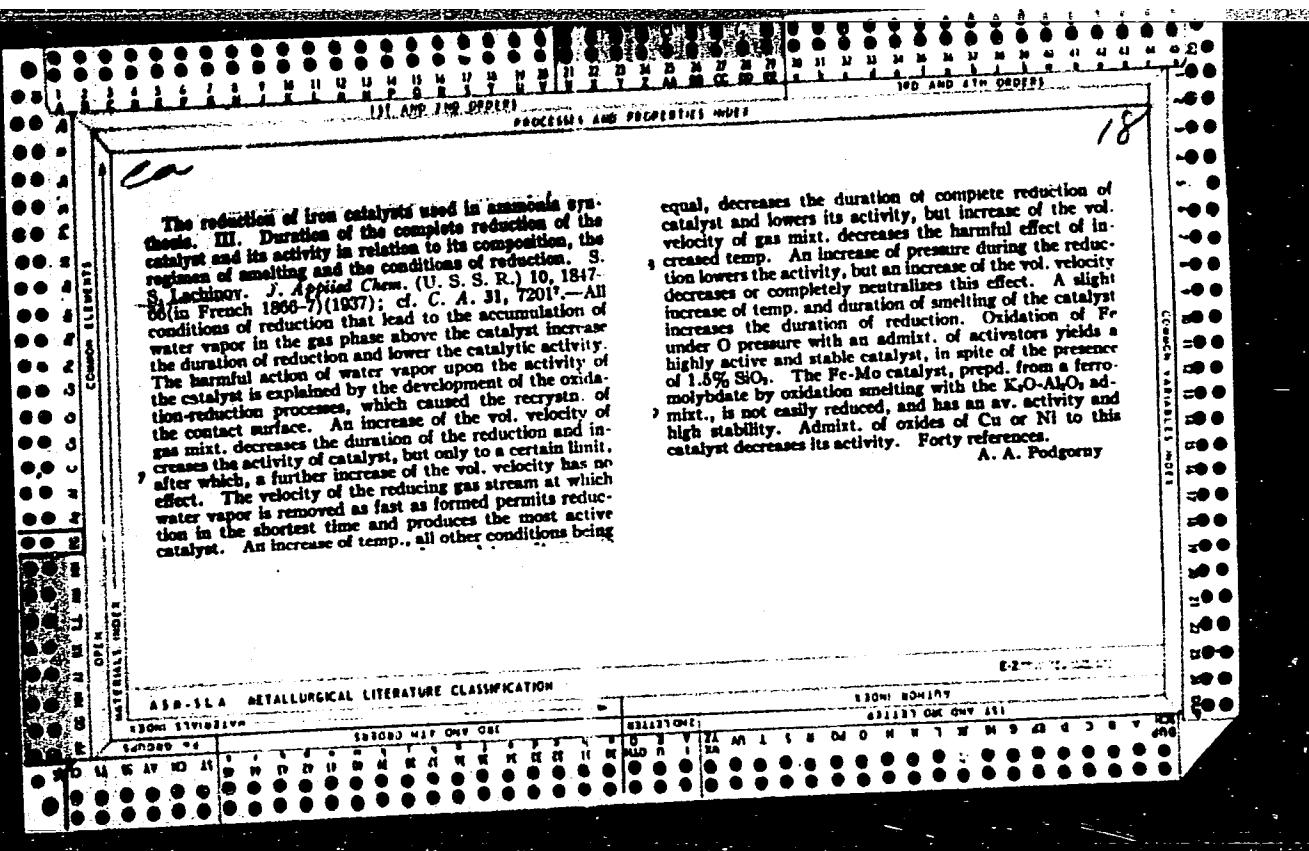


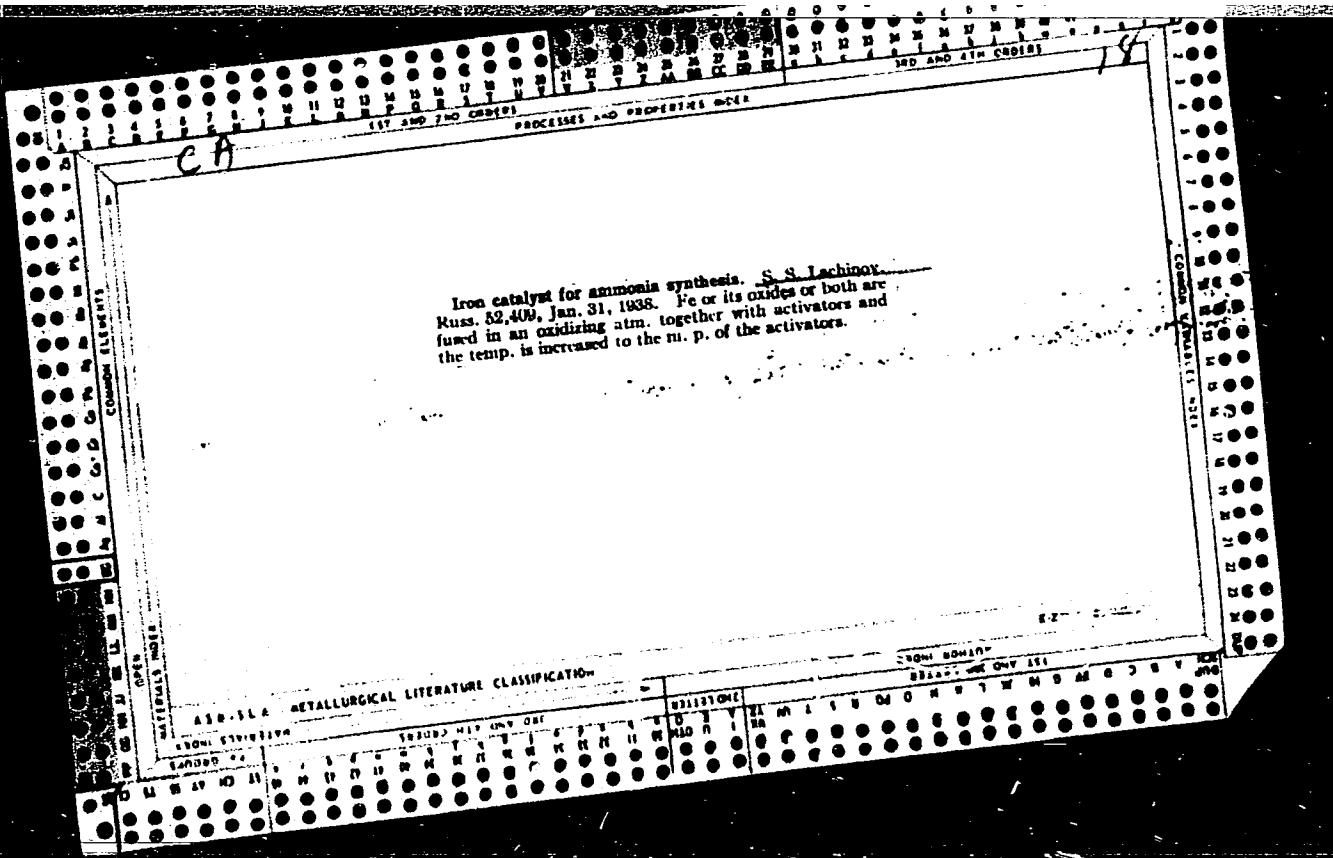
The activity and stability of iron catalysts for the synthesis of ammonia. S. Lachinov and V. Trlegin. J. Chem. Ind. (Moscow) 1934, No. 12, 31-33; cf. C. A. 28, 60035. Al_2O_3 , MgO and SiO_2 activate Fe catalysts, but do not make them stable. K_2O renders them stable, but gives decreased activity. K_2O and SiO_2 together form a good activator, but the catalyst is quite unstable. K_2O and Al_2O_3 or MgO and SiO_2 give a very stable catalyst. Mechanisms of activation are discussed. H. M. L.











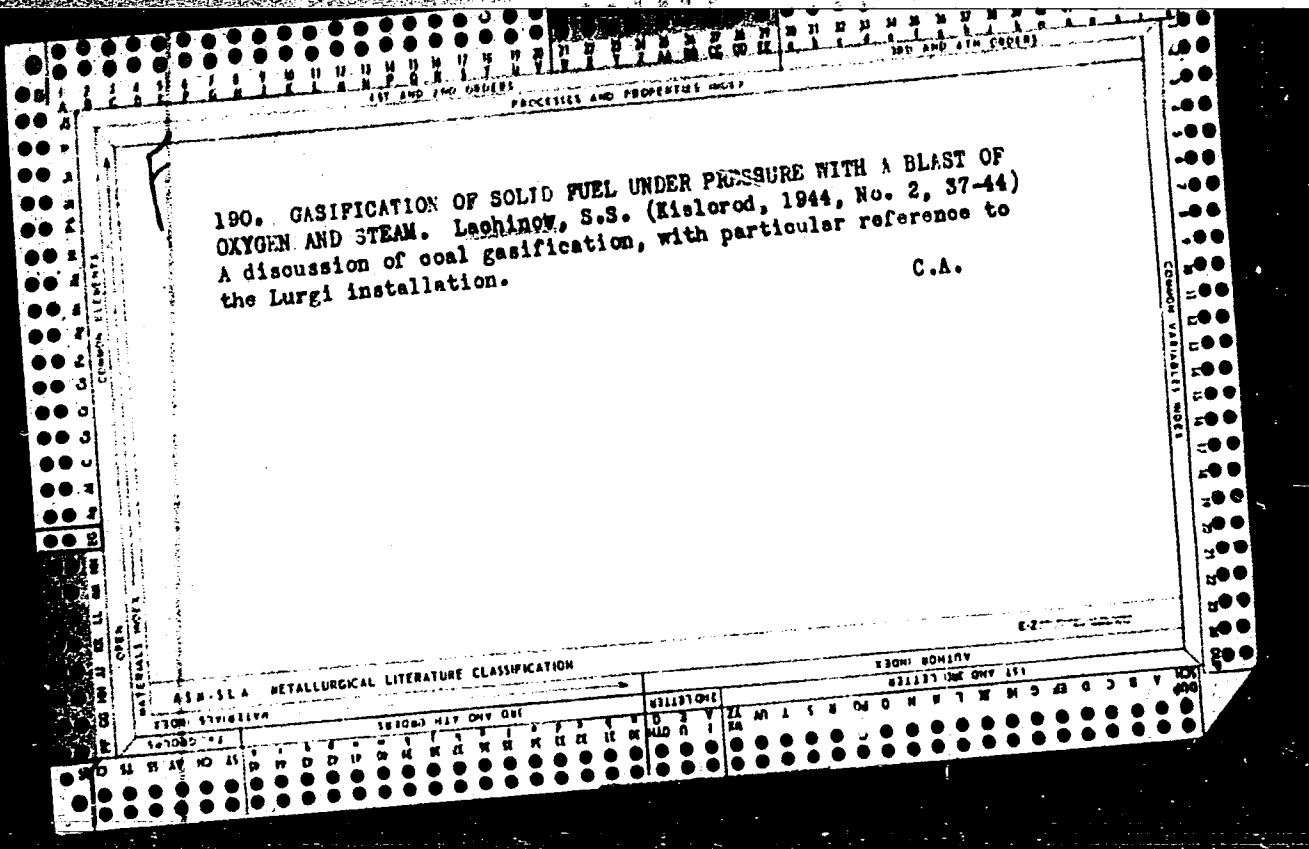
LACHINOV, S.S.

"Analysis of the Process of Recovering Ammonia Catalysts."

Zhur. Fiz. Khim., Vol. 14, No. 9-10, 1940.

LACHINOV, S.S.

Latest progress and prospects of applying high pressures in the basic chemical industry. S. S. Lachinov,
Bull. acad. sci. U. R. S. S., Classe sci. chim. 1940, No. 3
77 (in English, 1977-8).—The application of high pressures
in fuel gasification, manuf. of alcohols, aldehydes, ketones,
acids, metal carbonyls, urea, etc., are discussed very
thoroughly. Borisl L. Rodzianko



LACHINOV, S.S., kandidat tekhnicheskikh nauk; KURKOVSKIY, V.A.

Problems relative to the theory and practice of the synthesis
of ammonia. Khim.nauka i prem. 1 no.6:610-619 '56. (MLRA 10:3)
(Ammonia)

LACHINOV, S.S.

KUZNETSOV, L.D.; LACHINOV, S.S.

Effect of promoters on the specific activity of iron catalysts ammonia synthesis. Khim. nauka i prom. 2 no.2:269-270 '57. (MIRA 10:6)

1. Gosudarstvennyy institut azotnoy promyshlennosti.
(Catalysts) (Ammonia)

LACHINOV, S.S.

PAGE I BOOK INFORMATION

507/921

Analytic work RSHN. Institut Plastichesoy Metallo

Problemy Metallo i Metallo. [Eds. I. Frants, I. Frants] Metallurgiya [Problems of Kinetics and Catalysis, [vol. 1] 10: Physics and Physico-Chemistry of Catalysts]. Moscow: Izd-vo Akad. Nauk SSSR, 1960. - 461 p. Errata only inserted. 2,600 copies printed.

Editor: S.Z. Kostyuk, Corresponding Member of the Academy of Sciences USSR, and G.V. Krivov, Candidate of Chemistry; Eds. Publishing House: A.I. Shchukin, Tech. Eds.: G.A. Aran'ev.

PURPOSE: This collection of articles is addressed to physicists and chemists and to the community of scientists interested in recent research on the Physics and Physical Chemistry of catalysis.

CONTENTS: The articles in this collection were read at the conference on the Physics and Physical Chemistry of Catalysts organized by the Odessa Institute of Chemical Sciences and by the USSR Academy of Chemical Sciences, Academy of Sciences USSR) and by the Academic Council on the problem of "The scientific bases for the selection of catalysts". The Conference was held at the Institute of Physics and Chemistry of catalysts, Odessa, USSR (Institute of Physical Chemistry of the USSR) in Moscow, March 20-23, 1958. On the great volume of material presented at the conference, only papers published elsewhere were included in this collection.

Frol'm, V.I., O.V. Krivor', and S.Z. Kostyuk, [Institute of Physical Chemistry of the USSR], Catalytic Properties of Germanium 102

Kostyuk, V.I., and O.V. Krivor', [Institute of Chemical Sciences and Technology], Investigation of the Properties of Semiconductors Between the Catalytic Activity and the Semiconductor Properties of Germanium 105

Semchenko, V.I., O.V. Krivor', and I.Y. Strelko [Institute of Physics of the USSR], Change in the Surface Contact Potential of Germanium During Adsorption and Catalysis 111

Kostyuk, V.I., and O.V. Krivor', [Institute of Chemical Sciences and Technology], Investigation of the Properties of Semiconductors in the Al (SiC) Zone 117

Kalashnik, I.V. [Eastern Siberian Branch of the USSR], Selection of High Temperature Catalysts for Various Cases of Heterogeneous Hydrogenation 121

II. CATALYSTS OVER METALS

Kostyuk, O.V. [Physicochemical Institute Leningr. Univ.], Catalysis 129

Sokol'skiy, V.I., and V.B. Glazko [Department of Physics of Metals State University], Contribution to the Theory of Chemical Adsorption of Metals 131

Trubetskoi, M.F. [Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw], Structure and Magnetic Properties of Some Metallic Catalysts 135

Frol'm, V.I. [Institute of Physical Chemistry of the USSR], Investigation of the Adsorption of Gases on Metals with the Aid of an Electron Microscope 141

Gorshkov, V.N., Yu. B. [Institute of Chemical Physics, Kosygin L.V. Research Institute], On the Problem of Chemical Adsorption of Metals on the Surface. Contribution to the Theory of Adsorption of Catalysts and Chemisorption to the Electron State of Metal Surfaces 149

Frol'm, V.I., and L.G. Antonova, Investigation by Electrochemical Methods of the Gas Reactions of Catalystic Hydrogenation 172

Sokol'skiy, D.V. [Academy of Sciences, Kazakhstan SSR], On the Problem of Principles in the Selection of Catalysts for Liquid Phase Hydrogenation 174

Frants, I.M. [Institute of Organic Chemistry of the USSR], Investigation of the Influence of Catalysts in Hydrogenation and Reduction Reactions on the Relative Activity and Selectivity of the Catalysts 177

Ostremens, A.I., and O.K. Borodov [Novosibirsk Technological Institute], Catalysis [Isotope Tracer Method in Molecular Hydrogenation of Transition Metals of the Alkali Period] 184

Lachinov, S.S., L.D. Kostyuk, V.I. Shchukin, L.M. Slobodchikov, and G.O. Lyubimova, [Institute of Chemistry of the Institute of Chemical Physics, Kosygin L.V. Research Institute], Relation between the Parameters of Activity and Structure of Iron Catalysts with Their Four Precursors for the Preparation of Ammonia 189

Lachinov, S.S. [Videnskogo State University], Relation between the Parameters of the Active Components for Coated Platinum Catalysts 204

Kostyuk, S.Z., D.V. Sizikov, and M.-I. Tumanyan [Institute of Physical Chemistry of USSR], Investigation of the Surface of Catalysts by Ionization by an Atomistic Catalyst. The Alkaline Precursor of an Ammonia Catalyst 210

SHISHKOVA, V.N.; LACHINOV, S.S.; KONYUKHOVA, I.N.

Distribution of promoters on the surface of ammonia catalysts,
and activity of these catalysts at high pressures. Kin. i kat.
L no.2:242-246 Jl-Ag '60. (MIRA 13:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut azotnoy
promyshlennosti.
(Catalysts) (Ammonia)

DMITRENKO, L.M.; LACHINOV, S.S.; SIVYAKOVA, R.F.

Effect of the cathodic and anodic polarization of an ammonia synthesis catalyst on its activity. Kin. i kat. 1 no. 3:379-384 S-O '60.
(MIRA 13:11)

1. Nauchno-issledovatel'skiy institut azotnoy promyshlennosti.
(Polarization (Electricity)) (Ammonia)
(Catalysts)

S/081/60/000/021/009/018
A005/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 21, p. 50, # 83987

AUTHORS: Lachinov, S. S., Kuznetsov, L. D., Kurkovskiy, V. A., Shishkova, V. N.,
Dmitriyenko, L. M., Lyudkovskaya, B. G.

TITLE: The Activity and Structure of Iron Catalysts of the Ammonia Synthesis
With Three and Four Activators

PERIODICAL: Probl. kinetiki i kataliza, 1960, Vol. 10, pp. 199-203

TEXT: The activity of an iron catalyst activated by $K_2O - CaO - Al_2O_3$ is higher with respect to the NH_3 synthesis than the activity of an iron catalyst activated by $K_2O - Al_2O_3$ and $K_2O - CaO - Al_2O_3 - SiO_2$ (mainly on account of the higher specific activity). If a nitrogen-hydrogen mixture is applied with poisons containing oxygen, the activity is higher for an iron catalyst with four activators. An iron catalyst activated by $K_2O - CaO - Al_2O_3 - SiO_2$ is distinguished in comparison with an iron catalyst activated by $K_2O - CaO - Al_2O_3$ by a greater surface, higher dispersion degree, and finer porosity. In iron catalysts with an intricate activator composition, the alkali and alkali earth activators increase

Card 1/2

S/081/60/000/021/009/018
A005/A001

The Activity and Structure of Iron Catalysts of the Ammonia Synthesis With Three
and Four Activators

the specific activity of the iron catalyst but lead to a decrease in surface while
the amphoteric and weak acid refractory oxides decrease the specific activity but
increase the surface.

From the summary of the authors

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

SIMULIN, Yu.N.; LACHINOV, S.S.; TOROCHESHNIKOV, N.S.; BARDIK, Z.N.;
KLYACHKO-GURVICH, A.L.

Change in the specific activity of an iron catalyst for
ammonia synthesis as dependent on the degree of reduction.
Kin. i kat. 4 no.6:933 N-D '63. (MIRA 17:1)

1. Gosudarstvennyy institut azotnoy promyshlennosti.

KONYUKHOVA, I.N.; LACHINOV, S.S.; SIMULIN, Yu.N.; TOROCHESHNIKOV, N.S.

Distribution of promoters on the surface of the iron catalyst of ammonia synthesis as dependent on the degree of its regeneration. Trudy MKHTI no.44:155-158 '64. (MIRA 18:1)

LACHINOV, S.S.; RUBINSHTEYN, A.M.; AKIMOV, V.M.; KLYACHKO-GURVICH, A.L.;
KONYUKHOVA, I.N.; KUZNETSOV, L.D.; LEVITSKAYA, T.T.; PRIBYTKOVA, N.A.;
SLINKIN, A.A.; CHESNOKOVA, R.V.

Complex investigation of iron catalysts for ammonia synthesis.
Kin. i kat. 5 no.3:478-489 My-Je '64.

(MIRA 17:11)

1. Institut organicheskoy khimii AN SSSR i Gosudarstvennyy institut
azotnoy promyshlennosti.

SIMULIN, Yu.N.; TOROCHESHNIKOV, N.S.; LACHINOV, S.S.

Effect of gas mixture pressure in the process of reduction on
the activity of the ammonia synthesis catalyst. Trudy MKHTI
(MIRA 18:9)
no.47:90-94 '64.

L 29252-66 EWP(j)/EWT(m) RM/WW/JW
ACC NR: AP6019314

SOURCE CODE: UR/0286/65/000/012/0022/0022

34

B

INVENTOR: Levin, A. M.; Glazov, A. N.; Vershinin, V. I.; Danilov, P. M.;
Plekhanov, P. S.; Pashchenko, V. Ye.; Lachinov, S. S.; Kuznetsov, L. D.; Rabina, P. D.;
Levitskaya, T. T.; Tatarov, F. S.; Lipinskaya, V. P.; Cherneyeva, Z. M.; Alekseyeva, Z. S.

ORG: none

TITLE: Steel for manufacturing ammonia synthesis catalyst. Class 18, No. 171877

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 22

TOPIC TAGS: steel, ammonia, inorganic synthesis, catalysis

ABSTRACT: A steel for manufacturing ammonia synthesis catalysts is distinguished by an increased catalyst activity and has the following chemical composition: 0.10% C, 1.0-2.0% Al, 0.05% Mn, 0.008% P, 0.008% S, 0.05% Cr, 0.10% Cu, 0.05% Ni, 0.40% Si, balance--iron. [JPRS]

SUB CODE: 11, 07 / SUBM DATE: none

UDC: 669.14/15

Cord 1/1 1/0

39734-65 EWT(m)/EPF(c)/EPR/EWP(t)/EWP(b) Pr-4/Ps-4 IJP(c)/RPL JD/WW/
ACCESSION NR: AP5006777 JW S/0195/65/006/001/0121/0127 21
26

AUTHOR: Dmitrenko, L. M.; Iachinov, S. S.; Sivyakova, R. F. 3

TITLE: The effect of cathode and anode polarization on the activity of a catalyst
for synthesizing ammonia. II 21

SOURCE: Kinetika i kataliz, v. 6, no. 1, 1965, 121-127 26

TOPIC TAGS: cathode polarization, anode polarization, catalyst, ammonia 3

ABSTRACT: It was found that during the initial moments of polarization the yield of ammonia increases in the case of cathode polarization and decreases in anode polarization. The more active the catalyst, the less is the initial effect of cathode polarization and the greater is the initial effect of anode polarization. During prolonged cathode polarization the catalyst is deactivated; with prolonged anode polarization the catalyst is activated. The accelerating effect of additives on the iron catalyst for ammonia synthesis is explained by acceleration of the acceptor stages in the electro-chemical mechanism of ammonia catalysis. It is assumed that one of the conditions for catalytic acceleration is a reduction in the concentration of chemisorbed intermediate compounds which deactivate the surface of

Cont. 1/2

L 39734-65

ACCESSION NR: AF5005777

the catalyst. Orig. art. has: 4 figures, 1 table.

ASSOCIATION: Gosudarstvennyy institut azotnoy promyshlennosti (State Institute of
the Nitrogen Industry)

SUBMITTED: 04Jun63

ENCL: 00

SUB CODE: GC, IC

NO REF SOV: 004

OTHER: 000

ML

Card 2/2

L 53759-65 ENT(m)/EPF(c)/EPR/EWP(j)/T/EWP(t)/EWP(b) Po-1/Pr-1/Po-1
LPP(c) LD/RM

ACCESSION NR: AP5011685

UR/0195/65/006/002/0338/0342
541.183.26:546.72-44

AUTHOR: Cheznokova, R. V., Gorbunov, A. I., Lechinov, S. S., Muravskaya, G. K.; B
Erdedi, G. A.

TITLE: Nitrogen and hydrogen chemisorption on ammonia synthesis iron catalyst.

Part I.

SOURCE: Kinetika i kataliz, v. 6, no. 2, 1965, 338-342

TOPIC TAGS: nitrogen chemisorption, hydrogen chemisorption, nitrogen, hydrogen, ammonia synthesis, ammonia, iron catalyst

ABSTRACT: Nitrogen and hydrogen chemisorption was studied at 200° and 475°C over unpromoted and promoted ammonia synthesis iron catalyst. Al₂O₃, K₂O, CaO, and SiO₂ were used as promoters. The BET specific surface areas of reduced iron catalysts (in m²/gram) were: iron catalyst with 0.05 wt. % of Al₂O₃ and 1.9 wt. % of K₂O--0.7; iron catalyst with 8.6 wt. % Al₂O₃--17.5; unpromoted catalyst--5.1; iron catalyst with 4.75 wt. % Al₂O₃ and 2.3 wt. % K₂O--8.3; iron catalyst with 3.87 wt. % Al₂O₃, 1.14 wt. % K₂O, 3.36 wt. % CaO, and 0.97 wt. % Si--16.9. The amounts of ab-

Card 1/2

4-53759-65

ACCESSION NR: AP5011685

sorbed nitrogen and hydrogen are proportional to the catalyst specific surface area. The parallelism in behavior of nitrogen and hydrogen indicates a similarity in the nature of surface bonded compounds of these two gases. For all catalysts but the unpromoted one the rate of nitrogen adsorption is proportional to the surface coverage. On promoted iron catalysts the equilibrium chemisorption of nitrogen agrees well with the Freundlich isotherm. Orig. art. has: 1 table, 3 figures, and 1 formula.

ASSOCIATION: Nauchno-issledovatel'skiy institut azotnoy promyshlennosti (Scientific Research Institute of the Nitrogen Industry)

SUBMITTED: 26Nov63

ENCL: 00

SUB CODE: GC

NO REF Sov: 013

OTHER: 008

Q24
Card 2/2

L 51300-65 EWT(m)/EPF(c)/EPF(t)/EPF(u) LJP(c)/MPL BN/JD/NW/JW
ACCESSION NR. AP5020988 / UR/0195/65/006/004/0749/0750 30
542.91+546.171.1 28
AUTHOR: Vorotilina, Z. I.; Lachinov, S. S. 3

TITLE: The inhibiting effect of ammonia on the process of its synthesis at high pressure

SOURCE: Kinetika i kataliz, v. 6, no. 4, 1965, 749-750

TOPIC TAGS: ammonia, reaction rate, nitrogen, hydrogen, high pressure, catalysis, iron

ABSTRACT: A study was made of the synthesis of ammonia from a nitrogen and hydrogen mixture of stoichiometric composition containing from 3 to 30% ammonia, in a flow system at pressures of 300 and 600 atm, in the temperature interval 400-550°C, and with space velocities from 15,000 to 120,000 hr⁻¹. The samples were tested over fused iron catalysts with alkaline promoters and the grain size of the catalysts was 2-3 mm. Results indicate that with an increase in the ammonia concentration in the initial gas mixture, the observed reaction rate falls sharply to values comparable with the experimental error ($\pm 0.3\%$ ammonia). Experiments were also carried out to determine whether this decrease in the react-

Cord 1/2

L Q1300-65

ACCESSION NR. AP5020988

2

ion rate is due to inhibition of the forward reaction or to acceleration of the reverse reaction. Results indicated that the chief factor is the inhibition of the forward reaction by ammonia. Orig. art. has: 2 figures and 1 table

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
azotnoy promyshlennosti i produktov organicheskogo sinteza (State Research and
Planning Institute for the Nitrogen Industry and for Organic Synthesis Products)

SUBMITTED: 03Feb85

NR REF SOV: 003

ENCL: 00

SUB CODE: IC, GC

OTHER: 000

731

Card 2/2

9,7500

44441
S/120/62/000/006/010/029
E140/E435

AUTHOR: Lachinov, V.M.

TITLE: High-speed storage-type scalers

PERIODICAL: Pribory i tekhnika eksperimenta, no.6, 1962, 64-67

TEXT: The work describes capacitor storage-type scale-of-two and scale-of-five circuits (staircase counters) capable of working up to 150 Mcs. The scale of two is a monostable circuit utilizing a cascade connection of a triode driving a secondary-emission pentode, in which an alternating action can be obtained at input rates between 4 and 150 Mcs. The circuit utilizes the time delay between the cathode current and the dynode current of the secondary-emission tube as an essential feature of the operating principle, obtaining in this way a transient memory adequate to distinguish between two dynamic states and thus give the required scale factor. The scale-of-five is a more conventional circuit using two secondary-emission pentodes for the charge and discharge of the storage capacitor. This circuit operates between 1 and 80 Mcs. There are 4 figures. X

Card 1/2

High-speed storage-type scalers

S/120/62/000/006/010/029
E140/E435

ASSOCIATION: Ob'yedinennyj institut yadernyh issledovaniy
(Joint Institute of Nuclear Research) X

SUBMITTED: January 24, 1962

Card 2/2

I 8370-65 EMT(1)/EWA(b) AFML/RAEM(t)
ACCESSION NR: AR4044023

8/0058/63/000/011/A029/A029

SOURCE: Ref. zh. Fizika, Abs. 11A297

AUTHOR: Lachinov, V. M.

TITLE: Scalers having minimum resolving time of periodic signals up to 10^{-8} seconds

CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po vydern. radioelektronike, 1961. M., Gosatomizdat, 1962, 134-148

TOPIC TAGS: periodic signal, circuit, scaler, feedback circuit, storage type computer

TRANSLATION: For the scaling of periodic signals with a repetition rate of 10-100 Mc, storage-type computers are usually used. In the described scale circuits with a scale factor of 2 and 5, tubes 6V1P and 6S15P are used as the charging and discharging units. The first circuit (scale-of-two circuit) is designed for operation in the frequency range 4-150 Mc. The circuit is simple and not critical to

Card 1/2

L 8370-45
ACCESSION NR: AR4044023

changes in amplitude and duration of input pulses. The amplitude can vary from 8 to 15 volts, the duration from 3 to 7 nsec. At a repetition rate of 70 Mc and higher the input signals may have sinusoidal form. The second scaler (scale-of-five circuit) works in the frequency range 1-80 Mc. There is analyzed the operation of the trigger computer circuit with amplifiers in the feedback circuits. There is given a practical circuit of the trigger circuit with a resolving time of better than 10 nsec. The circuit consists of 2 6SZP and 4 6V1P tubes. The amplitude of the trigger pulses is 10-12 volts, the duration is 5-8 nsec. The output pulses have an amplitude of 15 volts. A check of the circuit shows stability of operation of the device up to frequencies of 110-120 Mc. A scale-of-five circuit has been developed on the basis of this trigger.

SUB CODE: EC, DP

ENCL: 00

Card 2/2

S/120/63/000/001/010/072
E140/E135

AUTHOR: Lachinov, V.M.

TITLE: 100 Mc/s decade scaler

PERIODICAL: Pribory i tekhnika eksperimenta, no.1, 1963, 53-57

TEXT: A vacuum tube instrument is described, using secondary emission pentodes. The decade consists of the series connection of a scale-of-two using four secondary emission pentodes, and two high-frequency triodes, and a gated type scale-of-five with seven secondary emission pentodes and six triodes. There are 5 figures.

ASSOCIATION: Ob'yedinennyj institut yadernykh issledovaniy
(Joint Institute for Nuclear Research)

SUBMITTED: March 13, 1962

Card 1/1

L-19N10-65 EVT(1)/EWA(h) Peb AFWL/ESD(c)

ACCESSION NR: AF4044682

S/0120/64/000/004/0125/0130

B

AUTHOR: Lachinov, V. M.

TITLE: Nanosecond-pulse shaper with a repetition rate up to 100 Mc

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1964, 125-130

TOPIC TAGS: pulse shaper, 100 Mc pulse shaper, scaler

ABSTRACT: Based on the shaping principle described by M. Nakamura (Rev. Scient. Instrum., 1959, 30, 778) which involves successive amplification-limitations of a sinusoidal signal with subsequent differentiation and single-polarity pulse isolation, a new shaper was developed with these parameters: pulse duration, under 5 nanosec with a repetition rate of 0.1-100 Mc; negative-pulse amplitude, 10-12 v measured on a 110-ohm resistor shunted by a 12-pf capacitance with an input signal of 50 mv or higher. A distributed-parameter amplifier-limiter designed with a 6Zh22P r-f pentode ($S = 30$ ma/v, $C_a = 2.8$ pf,

Card 1/2

1940-65

ACCESSION NR: AP4044682

($C_s = 9 \text{ pF}$) was used. Simplified electronic-equipment circuits and oscillosograms of pulses at various points of the shaper at seven (100 kc - 100 Mc) frequencies are presented. A kindred pulse shaper (up to 100 Mc, 8 nanosec, 4 v on 93 ohms) described in Electronics (1961, 34, no. 35, 57) is mentioned. "The author wishes to thank L. V. Vasil'yev and P. P. Gavrilish for the wiring and alignment of the described equipment." Orig. art. has: 3 figures and 2 formulas.

ASSOCIATION: Ob'yedinennyy institut yadernykh issledovaniy (Joint Nuclear Research Institute)

SUBMITTED: 08Aug63

SUB CODE: EC

NO REF SOV: 002

ENCL: 00

OTHER: 002

Card 2/2

LACHINOV, V.M.

Nanosecond pulse shaper with a repetition rate not exceeding
100 Mc. Prib. i tekhn. eksp. 9 no.4:125-130 Jl-Ag '64.
(MIRA 17:12)
1. Ob"yedinennyj institut yadernykh issledovaniy.

47074-65 EWT(1)/EEG(m)/EEG(k)-2/EWA(h) Pg-4/Pg-4/Pg-4/Pub/P1-4/P1-4
ACCESSION NR: AP5011878 UR/0120/65/000/002/0094/0100 38
37

AUTHOR: Gavrilov, P. P.; Denisov, Yu. N.; Komissarov, A. G.;
Lachinov, V. M.; Prilipko, V. I.; Susov, Yu. I.; Shishlyannikov, P. T.

B.

TITLE: Wide-range automatic electronic-counter frequency meter

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1965, 94-100

TOPIC TAGS: frequency meter, electronic frequency meter 15

ABSTRACT: An electronic-counter-type frequency meter is described which is intended for measuring the frequency of sinusoidal or pulse signals within the 0.1-100-Mc range. Measurements can be made either automatically every 5-30 sec or sporadically by pushbutton. The digital-type instrument operates from 0.05-1 v at its input, displays the results on decade tubes, and can also deliver a binary-decimal code suitable for computers. The frequency meter can be used not only for direct frequency measurement but also in conjunction with a nuclear

Card 1/2

47074-65

ACCESSION NR: AP5011878

magnetometer for precision measurement of magnetic field strength. A block diagram and circuit diagrams of the amplifier, a 1-Mc reference crystal oscillator, a cold-cathode-tube relaxation generator, frequency dividers, counter decades, an output-to-printer unit, and a clock-frequency decade unit are presented. Orig. art. has: 7 figures and 1 formula.

[03]

ASSOCIATION: Ob'yedinenyyj institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: 06Mar64

ENCL: 00

SUB CODE: EC

NO REF SOV: 003

OTHER: 000

ATT'D PRESS: 400L

Duo
Card 2/2

L 2456-66 EWT(1)/EWA(h)

ACCESSION NR: AP5021336

UR/0120/65/000/004/0083/0090
621.382.2.3:621.374.32

47

46

13

AUTHOR: Denisov, Yu. N.; Lachinov, V. M.; Prilipko, V. I.

TITLE: High-speed counter circuits using transistors and tunnel diodes

25

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1965, 83-90

TOPIC TAGS: pulse counting, frequency divider, tunnel diode, counting circuit

ABSTRACT: A description is given of several high-speed time-interval and frequency counter circuits. These include: 1) a transistorized decade counter. Transistor cutoff frequency is 200 Mc, and current gain is 60-80. The maximum counting rate is 30 Mc. 2) A five-stage ring circuit. The circuit utilizes series-connected tunnel diodes to form a decade counter capable of 180-200 Mc counting rate. However, a ±5% change in bias voltage disrupts counter operation. 3) A hybrid transistor-tunnel diode decade counter. Counting rate can be as high as 180-200 Mc. The components, however, must be preselected with an accuracy of 1%. 4) A decoder-indicator circuit. The circuit employs IN-1 or IN-2 indicator tubes with firing voltage of 135 v and extinction potential of not less than 110 v. The transistors act simultaneously as tube control elements and decoders. of decade-counter infor-

Card 1/2

L 2456-66

ACCESSION NR: AP5021336

mation. 5) A synch pulse generator for extension of the useful range of oscilloscopes with a 150-Mc bandwidth. Nanosecond pulses with 20-kc repetition rate are generated. Orig. art. has: 11 figures and 2 formulas. [BD]

ASSOCIATION: Ob'yedinenyyi institut yadernykh issledovaniy, Dubna. (Joint Institute of Nuclear Research)

SUBMITTED: 19Jun64

ENCL: 00

SUB CODE: EC

NO REF Sov: 001

OTHER: 004

ATD PRESS: 4106

BVK

Card 2/2

L 08500-67 FWT(m) IJP(c)
ACC NR: AP6034226 (N)

SOURCE CODE: UR/0120/66/000/005/0105/0109

15

F

AUTHOR: Lachinov, V. M.

ORG: Joint Institute of Nuclear Research, Dubna (Ob"yedinennyj institut yadernyh issledovaniy)

TITLE: A high-speed counting decade with a counting rate exceeding 200 Mc

SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1966, 105-109

TOPIC TAGS: count rate meter, frequency meter

ABSTRACT: The author discusses the design characteristics and principle of operation of an improved high-speed decade counter circuit. The device has a maximum counting rate of over 200 Mc and an increased range of input-signal amplitudes. The counter includes a binary counting circuit incorporating tunnel diodes, a transistorized quinary counting ring, and corresponding input and output signal shapers. The use of high-frequency transistors (400—500 Mc) of the n-p-n type with a low interelectrode capacitance has made it possible to couple the binary and the quinary circuits galvanically. The sensitivity of the decade circuit at temperatures up to 55°C and over is ~50 mv. The power supply of the entire system is 100 mamp at +18 v and 120 mamp at -5 v. The counter was used in combination with a frequency meter of the Ch 3-4 type to improve its operating characteristics. Orig. art. has: 6 figures and 5 formulas.

SUB CODE: 09 / SUBM DATE: 17Jun65 / ORIG REF: 001 / OTH REF: 001 / ATD PRESS: 5103
Card 1/1 afs UDC: 621.374.32:621.382

MAKAROVA, Tamara Vil'gel'movna; GORNSHTEYN, N.A., starshiy geolog;
Prinimali uchastiye: LACHINOVA, I.G., starshiy tekhnik-geolog;
AKUTYUNOVA, O.I., starshiy laborant; PATRIKI, V.I., starshiy
kollektor; NOSAL', V.I., red.

[Permian sediments in the central provinces of the Russian Platform] Permskie otlozheniya tsentral'nykh oblastei russkoi platformy. Pod red. V.I.Nosal'. Leningrad, Gos.sauchno-tekhn. izd-vo neft. i gorno-toplivnoy lit-ry, Leningr. otd-nie, 1957. (MIRA 12:7)
122 p. (Russian Platform--Geology, Stratigraphic)

AVTANDILOV, Georgiy Gerasimovich, kand.med.nauk; LACHINOVA,L.A.,red.

[Manual for color determination] Posobie dlja opredelenija tsveta. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1964. 39 p.

(MIRA 18:7)

CHIZHIK, D.A., inzh.; LACHINOVA, T.Ya., inzh.

Portable transformer substation in the construction of mines. Shakht.
stroi. 5 no.4;26-28 Ap '61. (MIRA 14:5)

1. Giproorgshakhtstroy (Karaganda).
(Electric substations) (Mine building)

LACHINYAN, Leonid Artem'yevich; TIKHOMIROV, V.N., red.; KUDRYAVTSEVA,
O.V., tekhn. red.

[In the depth of the earth] V glubiny Zemli. Moskva, Izd-vo
"Znanie," 1963. 31 p. (Novoe v zhizni, naуke, tekhnike. XII
Seriia: Geologija i geografija, no.1) (MIRA 16:1)
(Boring)

SKAL'SKAYA, U.L.; SEMENASH, A.F.; LACHINSKIV, V.I.

Combined treatment of mineralized clay muds. Neft. i gaz. prom.
(MIRA 18:2)
no.4:25-27 O-D '64

BATURIN, Yu.I.; LACHINYAN, L.A.

High-frequency surface hardening of drill pipes. Trudy TSKB no.5:
(MIRA 18:7)
39-45 '62.

BATURIN, Yu.I.; LACHINYAN, L.A.; LITVINOV, N.N.

Using high frequency currents for surface strengthening of drill
pipes. Razved. i okh. nedr. 28 no.7:24-28 Jl '62. (MIRA 15:8)

1. TSentral'noye konstruktorskoye byuro Ministerstva geologii i
okhrany nedr SSSR.
(Boring machinery)

LIFSHITS, D.Ye.; UGAROV, S.A.; LACHINYAN, L.A.

Modern designs of drilling-pipe clamps abroad. Mash. i
neft. obor. no.9:26-33 '63. (MIRA 17:2)

1. TSentral'noye konstruktorskoye byuro Ministerstva geo-
logii i okhrany nedr SSSR.

LACHINYAN, L.A.; UGAROV, S.A.

Analyzing and selecting the optimal conditions for the operation
of tool joints in the drilling of prospecting wells. Mash. i neft.
obor. no.7:27-32 '64. (MIRA 17:11)

1. Tsentral'noye konstruktorskoye byuro Gosudarstvennogo geolo-
gicheskogo komiteta SSSR.

LACHINIAN, L.A.; ANDREYANOV, S.N.; UGAROV, S.I.

Discarding drill pipes and their connections according to
wear. Razved. i okh. nedr 31 no.1:23-27 Ja '65.
(MIRA 18:3)

LACHINYAN, L.A.; UGAROV, S.A.

Analyzing the failure of drill pipes in prospect drilling. Mash. i
neft. obor. no.8:6-8 '65. (MIRA 18:9)

l. TSentrall'noye konstruktorskoye byuro Gosudarstvennogo geologi-
cheskogo komiteta SSSR.

LACHINYAN, S.P.

Association of hypertension with pulmonary tuberculosis. Sov.med.
20 no.6:44-47 '56. (MIRA 9:9)

1. Iz kafedry tuberkuleza (zav. prof. F.V.Shebanov) I Moskovskogo
ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(TUBERCULOSIS, pulmonary, complications,
hypertension (Rus))
(HYPERTENSION, complications,
tuber., pulm. (Rus))

LACHINYAN, S.R

LACHINYAN, S.R

"Clinical aspects and treatment of tuberculosis and tuberculosis control." Reviewed by S.R.Lachinian. Probl.tub. 35 no.5:114-117
'57. (MIRA 10:11)

(TUBERCULOSIS)

LACHINYAN, S. R., Cand Med Sci --(diss) "Hypertension
in Lung Patients."
~~W~~
~~Hypertension in People Suffering from Tuberculosis of the~~
~~Lungs." (Clinical Treatment and Therapy)." Mos, 1958.~~
15 pp (First Mos Order of Lenin Med Inst im I. M.
Sechenov). 200 copies (KL 40-58,115)

IACHINYAN, S.R., aspirant

Treating tuberculosis combined with hypertension [with summary in
French]. Probl.tub. 36 no.1:59-64 '58. (MIRA 11:4)

1. Iz kafedry tuberkuleza (zav. - zasluzhennyy deyatel' nauki prof.
F.V.Shebanov) I Moskovskogo ordena Lenina meditsinskogo instituta
imeni I.M.Sechenova.

(TUBERCULOSIS, PULMONARY, compl.
hypertension, chemother., tolerance (Rus))

(HYPERTENSION, compl.
pulm. tuberc., chemother., tolerance (Rus))

IACHINYAN, S.R., aspirant

Hypertension in pulmonary tuberculosis patients. Probl.tub. 37
no.4:75-81 '59. (MIRA 12:10)

1. Iz kafedry tuberkuleza (zav. - zasluzhennyy deyatel' nauki
prof.F.V.Shebanov) I Moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M.Sechenova.

(TUBERCULOSIS, PULMONARY, compl.

hypertension (Rus))

(HYPERTENSION, compl.
tuberc., pulm. (Rus))

IACHINYAN, S.R., kand.med. nauk

Primary cancer of the liver in patients with splenomegalic cirrhosis
of the liver. Vrach. delo no.9:108-109 S '60. (MIRA 13:9)

1. Otdeleniye vnelegochnogo tuberkuleza (ispoln. obyazan. rukovoditelya -
kand.med. nauk L.M.Yanovskaya) Moskovskogo nauchno-issledovatel'skogo
instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR.
(LIVER-CANCER) (LIVER-CIRRHOSIS)

LACHIYAN, S.R.

Treatment of hypertension with alkaloids of Rauwolfia serpentina
Bentham in patients with tuberculosis of the lungs. Sov.med. 24
(MIRA 13:11)
no.9869-74 S '60.

1. Iz kafedry tuberkuleza (zav. - prof. F.V. Shebanov) I Moskovsko-
go ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.
(RAUWOLFIA) (TUBERCULOSIS) (HYPERTENSION)

LACHINIAN, S.R.

On cholesterinemia in patients with pulmonary tuberculosis and
hypertension. Terap.arkh. 32 no.1 77-79 Ja '60. (MIRA 13 :10)
(CHOLESTEROL) (TUBERCULOSIS) (HYPERTENSION)

LACHINYAN, S.R., kand.med.nauk

First All-Russian Congress of Phthisiologists. Probl. tub. 38 no.2:
69-73 '60. (MIRA 13:11)
(TUBERCULOSIS—CONGRESSES)

LACHINYAN, S.R., kand.med.nauk; SHESTERINA, M.V., kand.med.nauk

Review of Russian periodical literature on tuberculosis published
during 1958 and 1959. Probl.tub. 38 no.8:100-107 '60. (MIRA 14:1)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta tuberkuloznyxa Ministerstva zdravookhraneniya RSFSR (dir. - V.F. Chernyshev,
zam. dir. po nauchnoy chasti - prof. D.D. Aseyev).
(BIBLIOGRAPHY—TUBERCULOSIS)

ASEYEV, D.D., prof.; LACHINYAN, S.R., kand.med.nauk

Work of the Committee on Tuberculosis of the Medical Council of
the Ministry of Public Health of the R.S.F.S.R. Biul.Uch. med.
sov. 2 no.3:27-29 My-Je '61. (MIRA 14:10)
(TUBERCULOSIS RESEARCH)

LACHINIAN, S. R., kand. med. nauk

Electrocardiographic observations of pulmonary tuberculosis and
hypertension. Probl. tub. no.2:58-66 '62. (MIRA 15:2)

1. Iz elektrokardiograficheskogo kabineta (zav. - kandidat meditsinskikh nauk G. I. Agrachev) Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR (dir. - kandidat meditsinskikh nauk V. F. Chernyshev, zam. dir. po nauchnoy chasti - prof. D. D. Aseyev)

(TUBERCULOSIS) (HYPERTENSION) (ELECTROCARDIOGRAPHY)

LACHINTIAN, S.R., kand.med.nauk

Drug therapy in tuberculosis. Med.sestra 21 no.8:6-12 Ag '62.
(MIRA 15:9)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta
tuberkuze Ministerstva zdravookhraneniya RSFSR.
(TUBERCULOSIS) (CHEMOTHERAPY)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928410013-3

LACHINYAN, S.R.

Scientific Session of the Moscow Scientific Research Institute of Tuberculosis of the Ministry of Public Health of the R.S.F.S.R. Probl. tub. 40 no.6:113-117 '62 (MIRA 16:12)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000928410013-3"

SHEBANOV, Filipp Vasil'yevich, prof.; YEVDOKIMOVA, Anna Dmitriyevna,
dots.; LACHINYAN, S.R., red.

[Methodological manual in the conduction of practical work
on tuberculosis in medical institutes] Metodicheskoe poso-
bie k provedeniiu prakticheskikh zaniatii po tuberkulezu v
meditsinskikh institutakh. Moskva, Medgiz, 1963. 154 p.
(MIRA 16:10)

1. Chlen-korrespondent AMN SSSR (for Shebanov)
(TUBERCULOSIS) (MEDICINE--STUDY AND TEACHING)

LACHINIAN, S.R., kand. med. nauk

Clinical aspects and treatment of pulmonary tuberculosis in
patients with congenital heart defects. Probl. tub. 41 no.9:25-33
'63 (MIRA 17:4)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta tuberkulozesa (dir. T.P. Mochalova, zamestitel' direktora po nauchnoy chasti - prof. D.D. Aseyev) Ministerstva zdravookhraneniya RSFSR.

ZAKHAROVA, N.A.; KALANDADZE, Z.F.; LACHINYAN, S.R.

Lobectomy in tuberculosis of the lungs in a patient with congenital heart defect nine years after heart surgery. Probl. tub. no. 2:88-89 (MIRA 17:12) '64.

1. Maskovskiy nauchno-issledovatel'skiy institut tuberkuleza (dir. - T.P. Mochalova, zamestiteль direktora po nauchnoy chasti - prof. D.N. Assyev) Ministerstva zdravookhraneniya RSFSR.

ASEYEV, D. D., prof.; LACHINYAN, S. R., kand. med. nauk

Treatment of tuberculosis with cycloserine. Probl. tub. no. 7:20-27
'61. (MIRA 14:12)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza
Ministerstva zdravookhraneniya RSFSR (dir. V. F. Chernyshev, zam.
direktora po nauchnoy chasti - prof. D. D. Aseyev)

(CYCLOSERINE) (TUBERCULOSIS)

ASEYEV, D.D., prof.; GINZBURG, Ye.A., kand.med.nauk; ZHUKOVA, M.P.;
LACHINIAN, S.R.

Classification of dispensary outpatients. Probl.tub. no.483-6 '61.
(MIRA 14:12)
1. Iz Moskovskogo nauchno-issledovatel'skogo instituta tuberkulesa
Ministerstva zdravookhraneniya RSFSR (dir. - kand.med.nauk
V.F. Chernyshev, zam. dir. po nauchnoy chasti - prof. D.D. Aseyev).
(TUBERCULOSIS)

LACHINOV, S.S.; KUZNETSOV, L.D.; KURKOVSKIY, V.A.; SHISHKOVA, V.N.;
DMITRIYENKO, L.M.; LIUDKOVSKAYA, B.G.

Activity and structure of ammonia synthesis iron catalysts with
three or four promoters. Probl. kin. i kat. 10:199-203 '60.
(MIRA 14:5)

1. Gosudarstvennyy institut azotnoy promyshlennosti.
(Catalysts) (Iron)

LACHKEPIANI, A. N., Cand Med Scin-- (diss) "Certain problems
of the dynamics of skin reflexes." Tbilisi, Gruzmedgiz, 1957.
13 pp (Tbilisi State Inst for the Advanced Training of Phy-
sicians), 200 copies (KL, 52-57, 112)

- 121 -

SARADZHISHVILI, P.M.; LACHKEPIANI, A.N.

Clinical manifestation of bilateral softening of the anteromedial
nuclei of the thalamus. Zhur. nevr. i psikh. 64 no.10:1449-
1450 '64. (MIRA 17:11)

1. Institut klinicheskoy i eksperimental'noy nevrologii AN
GruzSSR, Tbilisi.

AUTHORS: Izmodenov A.I. and Lachko O.A. SOV/136-59-1-6/24

TITLE: Industrial Trials on the Beneficiation of Complex Volkovskiye Ores (Promyshlennyye ispytaniya po obogashcheniyu kompleksnykh rud Volkovskogo mestorozhdeniya)

PERIODICAL: Tsvetnyye Metally, 1959, Nr 1, pp 19-21 (USSR)

ABSTRACT: The Volkovskiye deposits in the Tagil-Kushvinskiy region of Ural contain commercial quantities of iron, vanadium and phosphorus. Several laboratory investigations of the dressing of these ores have been made (M.F. Ortin, 1940-1941; O.A. Lachko and A.V. Partina, 1953 and 1955; A.V. Partina and A.A. Makarova, 1956). In June 1958 work to check the flowsheet (Fig) developed in the laboratory by the Uralmekhanobr institute was carried out at the Pyshminskaya obogatitel'naya fabrika (Pyshminskaya beneficiation works) by a team from the institute led by O.A. Lachko, a works team (works manager N.P. Shubin and chief technologist G.D. Shcherbakov) and T.F. Kirova of the Sverdlovskiy sovnarkhoz (Sverdlovsk economic council). The flowsheet includes flotation of copper and apatite with wet magnetic separation of an iron-vanadium concentrate from the apatite-flotation tailings. The ores

Card 1/2

SOV/136-59-1-6/24

Industrial Trials on the Beneficiation of Complex Volkovskiy Ores

treated were from the North-West part of the deposits and contained 0.8% Cu, 18.4% Fe, 0.34% V₂O₅, 5.46% P₂O₅. They were ground to 88.95% - 0.074. Reagent consumption (kg/tonne) were: soda, 0.5; sodium sulphide, 0.4; butyl xanthate, 0.06; cresol, 0.07; water glass, 0.5; oleic acid, 0.5. The recoveries of Cu, P₂O₅, Fe and V₂O₅ into the appropriate concentrates were 89.1, 65.4, 66.3 and 67.2%, respectively, the last two being in the form of an iron vanadium concentrate which was sent to the Chusovskiy metallurgical works. The results showed the ores to be easily dressable and the authors suggest that design work for a mining-beneficiation combine for Volkovskiy ores should be started.

There are 1 figure and 1 table.

Card 2/2

LACHKOV, G.M., inzh.; ANDRIYENKO, M.Z., inzh.

Device for the proportional load distribution between generators
operating in parallel and frequency holding. Biul. tekhn.-ekon.-
inform. Tekh. upr. Min. mor. flota 7 no.5:57-67 '62. (MIRA 16:3)
(Electricity on ships) (Electric generators)

ALESHIN, Nikolay Ivanovich; DAVIDOVICH, Feliks Stanislavovich;
LACHKOV, G.M., inzh., retsentent; CHERNIKOV, L.V.,
naychn. red.; GOLUBEVA, N.P., red.; ERASTOVA, N.V.,
tekhn. red.

[Loading devices for testing naval generators] Nagruzochnye
ustroistva dlia ispytaniia sudovykh generatorov. Lenin-
grad, Sudpromgiz, 1963. 82 p. (MIRA 16:9)
(Electric generators--Testing)
(Ships--Electric equipment)

Lachmajer J. Inst. of Marine and Tropical Medicine, Med. Academy in Gdansk Species and races of malaria mosquitoes occurring on the coast of the Gulf of Gdansk Bulletin of the Institute OF Marine and Tropical Medicine, Medical Academy in Gdansk 1949, 2/1-2 (ol-94) Tables 2 Illus. 1.

There are two species of malaria mosquitoes on the western part of the Gulf of Gdansk: Anopheles bifurcatus and Anopheles maculipennis. The latter occurs in three forms: messae, atroparvus and typicus. Messae is the most prolific, typicus the least. Atroparvus, very bloodthirsty and active, is of frequent occurrence. Messae plays an important role on account of its considerable number.

Makower - Wroclaw

LACHMAJER, J.

Stinging mosquitoes in Suczecin. English & Russian transl. Bull. Inst.
Marine Trop. M. Gdansk 4 no. 4:423-426 1952. (CIML 24:1)

1. Of the State Institute of Marine and Tropical Medicine in Gdansk.

LACHMAJER, Jadwiga; KAWECKI, Zbigniew

Strains of neurotropic viruses isolated from *Ixodes ricinus* found along the coast. Bull. State Inst. Marine Trop. M. Gdansk Vol.5: 49-50; Russian transl., 50-51; English transl., 52-53 1953.

1. Z Państwowego Instytutu Medycyny Morskiej i Tropikalnej w Gdansku.

(TICKS,

**Ixodes ricinus*, isolation of neurotropic viruses)

(VIRUSES,

*neurotropic, isolation from *Ixodes ricinus*)

LACHMAJER, Jadwiga

SKRODZKI, Eugeniusz; LACHMAJER, Jadwiga

Tularemia in the Szczecin Voievodship. I. Natural foci and their
epidemiological significance. Przegl. epidem., Warsz. 8 no.3:
149-158 1954.

1. Państwowy Instytut Medycyny Morskiej i Tropikalnej, Państw.
Zakład Higieny, Instytut Medycyny Pracy Wsi.
(TULAREMIA, epidemiology
Poland.)

SKRODZI, E.; LACHMAJER, J.

Natural foci of tularemia and their epidemiological significance
in the Szczecin region. Bull. Inst. Marine Trop. M. Gdańsk 6:61-72 1955.

1. Z Państwowego Instytutu Medycyny Morskiej i Tropikalnej w Gdansku.
(TULAREMIA, epidemiology,
in Poland, natural foci)

LACHMAJER, Jadwiga

Preliminary investigations on disinfectants manufactured in Poland; effect of soap containing 5% DDT or azotox on mortality of body louse. Przegl. epidem., Warsz. 9 no.4:303-310 1955.

1. Z Instytutu Medycyny Morskiej w Gdansku.

(INSECTICIDES, effects,

azotox on pediculi, comparison of soaps containing DDT & azotox (Pol))

(PEDICULI, effect of drugs on,

insecticide azotox, comparison of soaps containing DDT & azotox. (Pol))

(DDT, effects,

on pediculi, comparison of soaps containing DDT & insecticide azotox (Pol))

(SOAP,

containing DDT & insecticide azotox, eff. on pediculi, comparison. (Pol))

LACHMAJER, Jadwiga; KOZAKIEWICZ, Jerzy.

Toxic dermatitis caused by contact with caterpillar *Cnethocampa pinivora*. Polski tygod. lek. 10 no.40:1302-1305 3 Oct 55.

1. Gdańsk, Instytut Medycyny Morskiej i Tropikalnej.
(DERMATITIS, CONTACT, etiology and pathogenesis,
Cnethocampa pinivora caterpillar)

LACHMAJER, Jadwiga

Natural foci of certain diseases transmitted by arthropods.
Wiadomosci parazyt., Warsz. 2 no.2:73-85 1956.

(COMMUNICABLE DISEASES, transmission,
by arthropods, natural foci. (Pol))
(ARTHROPODS,
transm. of infect. dis., natural foci. (Pol))

LACHMAJER, Jadwiga (Gdansk)

Certain data on the ecology of Ixodidae in the Bialowieza
National Park. Wiadomosci parazyt., Warsz. 2 no.5 Suppl:
97-98 1956.

1. Institut Medycyny Morskiej.
(TICKS,
Ixodidae in Poland (Pol))

LACHMAJER, Jadwiga; WEGNER, Zofia (Gdansk)

Fleas and lice parasitizing small mammals in the Bialowieza
National Park. Wiadomosci parazyt., Warsz. 2 no.5 Suppl:
103-104 1956.

1. Instytut Medycyny Morskiej.
(PEDICULI,
on small animals (Pol))
(FLEAS,
same)

LACHMAIER, Jadwiga; SKIERSKA, Barbara (Gdansk)

Fleas on Microtus arvalis Pallas and on other small mammals
and birds in northern counties of the Szczecin region.
Wiadomosci parazyty., Warsz. 2 no. 5: Suppl:107-108. 1956..

1. Instytut Medycyny Morskiej.
(FLEAS,
on small birds & mammals (Pol))

LACHMAJER, Jadwiga; SKIERSKA, Barbara; WEGNER, Zofia

Ticks *Haemaphysalis* Koch (Ixodidae) found in Poland. Bull. Inst.
Marine Trop. M. Gdansk 7:187-195 1956.

1. Z Panst. Inst. Med. Mors. Trop. w Gdansku.
(TICKS,
Haemaphysalis in Poland (Pol))

LACHMAJER, Jadwiga; KOZAKIEWICZ, Jerzy

Toxic dermatitis caused by contact with caterpillar *Cnethocampa pinivora*. Bull. Inst. Marine Trop. M. Gdansk 7:196-198; Russian transl. p. 198-200; English transl. p. 201-203 1956.

1. Z Panst. Inst. Med. Mors. i Trop. w Gdansku i Kliniki Dermat. AMG.
(DERMATITIS, CONTACT, etiology and pathogenesis,
Cnethocampa pinivora (Pol))
(INSECTS,
Cnethocampa pinivora causing contact dermatitis (Pol))

LACHMAIER, Jadwiga.

LACHMAIER, Jadwiga; SKIERSKA, Barbara

Fleas occurring on *Microtus arvalis* Pall. & other small mammals & birds
in the northern districts of Szczecin province. Bull. Inst. Marine
M. Gdansk 8 no.1-2:131-135 1957.

1. Z Instytutu Medycyny Morskiej w Gdansku.

(FLEAS

on small mammals & birds in Poland)

LACHMAJER, J.; WIEGMER, Z.; KAWICKI, Z.

Spontaneous infection of tick *Ixodes ricinus* by the virus of tick encephalitis in the coast district. Bull. Inst. Marine M. Gdansk 8 no. 3-4:173-182 1957.

1. (From the Institute of Marine Medicine, Gdansk).
(TICKS

Ixodes ricinus host of epidemic encephalitis virus in Poland).

(ENCEPHALITIS, EPIDEMIC, trans.
by tick *Ixodes ricinus* in Poland).

EXCEMPTA MEDICA Sec 17 Vol 5/6 Public Health June 59

1847. SOME PARTICULARS CONCERNING ANOPHELES MACULIPENNIS MEIG
IN BIAŁOWIEŻA - Niektóre dane o Anopheles maculipennis Meig w Biało-
wieży - Lachmajer J. and Wegner Z. Inst. Med. Morskiej, Gdańsk -
WIAD. PARAZYT. 1958, 4/5-6 (758-761)

The blood of horses served these mosquitoes as food in only a few cases. Some of
the mosquitoes had in their stomachs the blood of both cows and horses. In no
case was human blood found in A. maculipennis stomachs. The pronounced zoophily
of this species in Białowieża was confirmed.

LACHMAJER, Jadwiga; WEGNER, Zofia

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